

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

L Number	Hits	Search Text	DB	Time stamp
-	0	(bus adj interface) same (serail adj interface) same memory same buffer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:12
-	25	(bus adj interface) same (serial adj interface) same memory same buffer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/21 15:47
-	2971	(active same passive) adj (device\$1 component\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/21 16:12
-	5	((active same passive) adj (device\$1 component\$1)) and profibus	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/21 16:10
-	0	parallel same seril same intefac\$3 same (convert\$3 conversion)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/21 15:56
-	3	parallel same serial same intefac\$3 same (convert\$3 conversion)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/21 16:00
-	1041	(Rs232 rs-232) same buffer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/21 16:01
-	0	(Rs232 rs-232) same serial same parrel same buffer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/21 16:01
-	148	(Rs232 rs-232) same serial same parallel same buffer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/21 16:01
-	4	(process adj field adj bus) and @ad<19990914	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/21 16:13
-	179	((active same passive) adj (device\$1 component\$1)) same (convert\$3 conversion)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/21 16:13
-	28522	(process adj bus) same (serail adj interface) sane (bus adj interface)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/21 16:18
-	0	(process adj bus) same (serial adj interface) same (bus adj interface)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/21 16:18

-	1	(process adj bus) same (serial adj interface)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/21 16:19
-	101	field adj (bus same device\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/21 16:23
-	7022	field adj device\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/21 16:27
-	544	(field adj device\$1).ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/21 16:27
-	15122	serial adj interface	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 08:14
-	446	(serial adj interface) same (bus adj interface)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 08:14
-	2	(process adj control) same ((active same passive) adj (device\$1 component\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 08:56
-	1682	(process adj control) same bus	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 08:22
-	3	(process adj (bus same control))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 08:25
-	2109	(field adj bus) profibus	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 08:28
-	1029	((field adj bus) profibus) same device\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 08:33
-	483	((field adj bus) profibus) same device\$1 same interfac\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 08:28
-	16	((field adj bus) profibus) same (serial adj interface)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 08:33
-	0	(process adj bus) same (active adj device) same (passive adj device) same control	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 08:54

-	0	(process adj bus) same (active adj device) same (passive adj device) same control\$4	DERWENT	2004/08/22 08:55
-	0	(process adj bus) same active same passive same control\$4	DERWENT	2004/08/22 08:55
-	2971	((active same passive) adj (device\$1 component\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 08:56
-	28	((((active same passive) adj (device\$1 component\$1))) and (bus adj interface)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 09:02
-	644	master same slave same control same serial same bus	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 09:03
-	86	master same slave same control same serial same bus same buffer\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 09:03
-	195	bus same serial same memory same (buffer\$3 adj3 control)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 10:25
-	64	profibus adj dp	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 11:12
-	355	interbus-s modbus seriplex	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 11:15
-	28	(decentrali?ed adj control\$4) same process same bus	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 11:43
-	6	(passive adj component\$1) same (bus adj system)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 12:11
-	17	(passive adj (device\$1 component\$1)) same (process same bus)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 12:12
-	11	(master same slave) same (process adj bus)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 12:14
-	32370	process adj device\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 13:05
-	5	(serial adj interface) same (process adj device\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 13:09

-	2133	buffer\$3 same control\$4 same packet\$1 same count\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 15:48
-	22	buffer\$3 same control\$4 same packet\$1 same count\$3 same (overflow underflow) same (comparator comparision compar\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 15:55
-	87	buffer\$3 same control\$4 same packet\$1 same count\$3 same (overflow underflow)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 16:01
-	1	buffer\$3 same (receiv\$3 same (send\$3 transmit\$4)) adj count\$3) same control\$4 same packet\$1 same (overflow underflow)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 16:03
-	1	buffer\$3 same ((receiv\$3 same (send\$3 transmit\$4)) adj count\$3) same control\$4 same packet\$1 same (overflow underflow)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 16:03
-	1	buffer\$3 same ((receiv\$3 same (send\$3 transmit\$4)) adj count\$3) same packet\$1 same (overflow underflow)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 16:04
-	10	buffer\$3 same ((receiv\$3 same (send\$3 transmit\$4)) adj count\$3) same packet\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 16:19
-	42	buffer\$3 same ((receiv\$3 same (send\$3 transmit\$4)) adj count\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 16:20
-	14816	buffer\$3 same point\$3 same (add\$3 subtract\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 16:29
-	301	buffer\$3 same point\$3 same (add\$3 subtract\$3) same (overflow underflow)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 16:31
-	341	buffer\$3 same point\$3 same coun\$3 same (overflow underflow)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 16:31
-	106	((read adj (out in)) adj count\$3) same buffer\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 16:40
-	1	((read adj (out same in)) adj count\$3) same buffer\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 16:40

-	692	(buffer\$3 near3 management).ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 16:42
-	150	((receiv\$3 input) same (transmit\$4 output)) adj counter\$1 same buffer\$3 same control\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 17:27
-	2382	buffer\$3 same detect\$3 same compar\$4 same counter\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 19:09
-	43	buffer\$3 same detect\$3 same compar\$4 same (two adj3 counter\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 19:09
-	294	(buffer adj manag\$5) same compar\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 19:12
-	2	packet\$1 same (transferring adj3 control\$4) same buffer\$3 same count\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/22 19:48
-	34	packet\$1 same (transferring adj3 control\$4) same buffer\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/23 17:03
-	19	process adj field adj bus	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/23 17:29
-	25	(buffer adj manag\$5) same count\$3 same acknowledg\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 10:43
-	155	master same slave same bus same buffer same transmit\$3 same control\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 10:53
-	55	(data adj3 transfer\$4) same bridge same protocol same buffer\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 12:33
-	17	serial same parallel same transfer\$4 same buffer\$4 same (overflow underflow)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 12:58
-	3	(process adj (control same bus))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:08

-	1	(serial adj interface) same (bus adj interface) same (data adj transfer\$4) same memory same count\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 13:34
-	1	(buffer adj control) same counter same receiv\$3 same (send\$3 transmit\$4) same (overflow underflow)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/24 14:35
-	524	master same slave same (data adj3 transfer\$4) same buffer\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/25 11:02
-	40	master same slave same (data adj3 transfer\$4) same buffer\$4 same protocol	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/25 11:02
-	143354	((rate flow) adj control)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/25 13:15
-	138	((rate flow) adj control) same (fifo buffer) same (acknowledge ack)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/25 13:16
-	77	serial same parallel same (flow adj control) same buffer\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/25 13:19
-	163	count\$3 same (data adj packet\$1) same protocol same (buffer\$3 fifo)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/25 13:47
-	10	count\$3 same (data adj packet\$1) same protocol same (buffer\$3 fifo) same compar\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/25 13:47
-	54725	data same (transfer\$4 transmission) same (point\$3 count\$3) same control\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 15:21
-	10466	(data adj (transfer\$4 transmission)) same (count\$3) same control\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 15:21
-	256	(data adj (transfer\$4 transmission)) same (count\$3) same control\$4 same efficient\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 15:21
-	97	buffer adj2 manag\$5 near3 protocol	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 22:55

-	97	(buffer adj2 manag\$5 near3 (shakehand\$1 protocol))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 22:55
-	136103	detection adj (logic circuit device)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 23:03
-	37410	detection adj device	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 23:03
-	5	(detection adj device) same FIFO same (pointer\$1 counter\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 23:20
-	4703	(data adj transfer\$4) same serial same parallel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 00:26
-	22	(data adj transfer\$4) same serial same parallel same (fifo near3 control\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 00:26
-	99	(comparator (compar\$5 adj (device circuit unit))) same (master same slave) same (buffer\$3 fifo) same (manag\$3 management control\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 10:57
-	14	(comparator (compar\$5 adj (device circuit unit))) same (master same slave) same (buffer\$3 fifo) same (data adj (transmission transfer\$4 send\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 11:11
-	0	(comparator (compar\$5 adj (device circuit unit))) same (master same slave) same (buffer\$3 fifo) same (data adj (transmission transfer\$4 send\$3)) same protocol	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 11:11
-	49	(master same slave) same (buffer\$3 fifo) same (data adj (transmission transfer\$4 send\$3)) same protocol	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 11:11
-	75	(master same slave) same (buffer\$3 fifo) same (data adj (transmission transfer\$4 send\$3)) same (protocol handshak\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 11:11
-	34	(field adj device) same (data adj transfer\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 11:23
-	3	(field adj device) same (data adj transfer\$4) same (protocol handshak\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 11:23

-	48	field adj bus adj protocol	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 11:35
-	12	master same slave same overflow same (suspend stop halt) same count\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 11:48
-	18	master same slave same overflow same (suspend stop halt)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 11:50
-	101	(buffer adj overflow) same (suspend stop halt)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 11:50
-	28	(buffer adj overflow) same (suspend stop halt) same transfer\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 11:50
-	492	packet same ready same receiv\$3 same wait\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 16:11
-	18	buffer same (full overflow) same (empty underflow) same (acknowledge ack) same ready	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 16:21
-	2045	(data adj transfer\$4) same handshak\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 18:01
-	27	(data adj transfer\$4) same handshak\$3 same master same slave same buffer\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 18:03
-	13	block same transfer\$4 same handshak\$3 same master same slave same buffer\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 18:03
-	38	overflow same transfer\$4 same (hold\$3 wait\$3) same ready	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 18:07
-	11	overflow same transfer\$4 same (hold\$3 wait\$3) same ready same until	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 18:07
-	0	(cpu (central adj processor)) same (field adj bus) same (data adj request)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 20:55

-	0	(field adj bus) same (data adj request)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 20:54
-	52	(field adj bus) same (request)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 20:54
-	4	(field adj bus) same (request) same (cpu (central adj processor) microprocessor)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 20:54
-	3	(cpu (central adj processor)) same (serial adj bus) same (data adj request)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 20:57
-	26	(serial adj bus) same (data adj request)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 21:00
-	1218	(data adj transfer\$4) same (data adj request)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 21:00
-	6	(data adj transfer\$4) same (data adj request) same ((field serial) adj bus)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 21:00
-	5	(data adj request) same retrieval same advantage	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 22:12
-	1	(process adj controller) same request same retrieval	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 22:13
-	1990	process same request same retrieval	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 22:13
-	3	process same (transfer\$4 adj (request same retrieval))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 22:14
-	0	data adj (transfer\$4 adj (request same retrieval))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 22:15
-	1	data adj3 (transfer\$4 adj (request same retrieval))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 22:25

-	5	(transfer\$4 adj (request same retrieval))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 22:25
-	864	(process adj3 control\$4) same transfer\$4 same request\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 22:34
-	130	(process adj3 control\$4) same transfer\$4 same request\$3 same (microprocessor cpu)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 22:36
-	2	(process adj3 control\$4) same transfer\$4 same request\$3 same (microprocessor cpu) same (benefit\$1 advantage\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 22:36
-	352	master same slave same transfer\$4 same request\$3 same (microprocessor cpu)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 22:36
-	1069	master same slave same block same (copy\$3 transfer\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 23:02
-	214	master same slave same block same (copy\$3 transfer\$4) same (input same output)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/29 23:03